

# ALINCO

Quality. Style. Performance!

VHF MOBILE / BASE TRANSCEIVER

## DR-CS20



## ALINCO's Personal Service Mobile Radio for Multiple Applications

The DR-CS20 is a high technology PLL synthesized radio that delivers high performance in a small package. User-friendly configuration and programmable features make the DR-CS20 the radio of choice for most demanding users.





## FEATURES

- Output power selectable 10W/5W/2W
- PC-programmable by dealer
- Channel, Frequency and Alphanumeric display
- Wide variety of selective calling features built-in; 2-Tone, 5-Tone, 50 CTCSS, 114 DCS, 4 Tone-burst tones and DTMF/ANI decode
- Large, bright LCD and easy-to-operate backlit keys
- Multi-function, backlit microphone enables direct frequency entry & more from keypads
- Various scan modes, alarm, automatic on/off, key lock, remote-control microphone and more at NO extra costs!



Standard accessories

Standard accessories are our factory default and may vary at moment of sales depending on the market and Dealers' sales policy.

## Spare accessories

ADUA38 : DC Power Cable (15A Fuse)  
EMS-74 : Backlit microphone with keypad

## Dealer options for programming

EDS-29 : Cloning cable  
ERW-12 : PC cable

## SPECIFICATIONS

### General

Frequency Range	CH001~CH160 (245.000~246.9875MHz)
Number of Channels	200 channels programmable by dealer
Channel Spacing	12.5KHz (Narrow mode)
Current drain (approx.)	300mA stand by / 600mA RX Less than 5A TX
Operating Voltage	13.8V DC $\pm 15\%$
Squelch	Carrier / CTCSS / DCS / 5Tone / 2Tone / DTMF
Frequency Stability	$\pm 2.5$ ppm
Operating Temperature	-20°C~+60°C
Dimensions	140 (W) x 34 (H) x 164(L) mm approx.
Weight	approx. 0.91kg

### Receiver

System	Double conversion superheterodyne
Sensitivity (12dB Sinad)	0.35 $\mu$ V
Adjacent Channel Selectivity	$\geq 60$ dB
Intermodulation	$\geq 60$ dB
Spurious Rejection	$\geq 70$ dB
Audio Response	+1~-3dB (0.3~2.55KHz)
Hum & Noise	$\geq 40$ dB
Intermed. Freq. (1st/2nd)	38.85MHz / 450KHz
Audio power output	>2W@10%
Audio Impedance	8 $\Omega$

### Transmitter

Power Output	10W / 5W / approx.2W
Modulation	8K50F3E
Adjacent Channel Power	$\geq 60$ dB
Hum & Noise ratio	$\geq 36$ dB
Spurious Emission	$\geq 70$ dB
Audio Response	+1~-3dB (0.3~2.55KHz)
Audio Distortion	$\leq 5\%$
Mic. Impedance	1k $\Omega$

Specifications are subject to change without notice due to advancements in NOTE technology.

※ Peripherals like an antenna, mounting hardware, coax cable etc are required for proper operation.

### ATTENTION

- The utility software may be available to distributors/dealers only. USB programming cable is required. The manufacturer will not release the software to unauthorized party so please contact your dealer for details.
- This product may be blocked for operations before sales and only dealers can program the radio before delivery to consumers. Manufacturer is not aware of details of such dealer-programming therefore please kindly contact your dealer first in case technical-service may be necessary.

Authorized Dealer:

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\* Projections are not included in the declared dimension values.

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